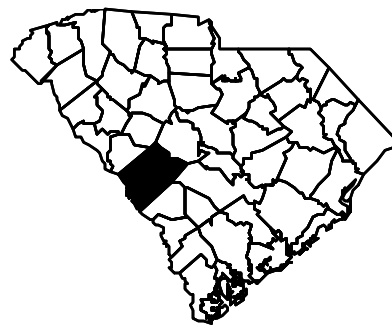


ASTHMA IN AIKEN COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

(May 2003)

Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2000, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

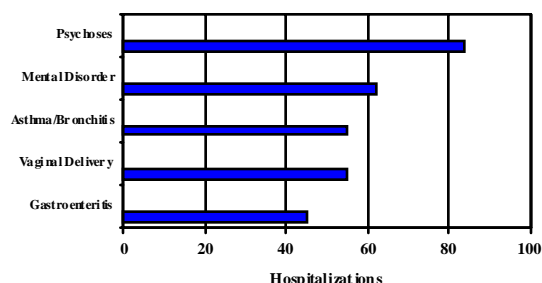
Impact of Asthma in Aiken County

- About 16,405 (11.4%) adults in Aiken county suffer annually from asthma.
- In 2001, there were 83 hospitalizations for asthma in Aiken county for all ages.

Children Suffer the Most from Asthma

- Asthma/Bronchitis is the 3rd leading cause of hospitalization in Aiken county for children under the age 18.

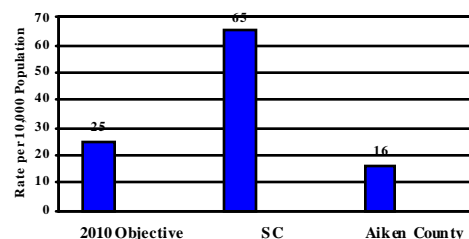
Leading Causes of Hospitalization in Children Aged 0-18, Aiken County, 2001



Data Source: Office of Research & Statistics

- In 2001, there were 23 asthma hospitalizations of children (<18 years) in Aiken county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Aiken county had a rate of 16 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Aiken County, 2001

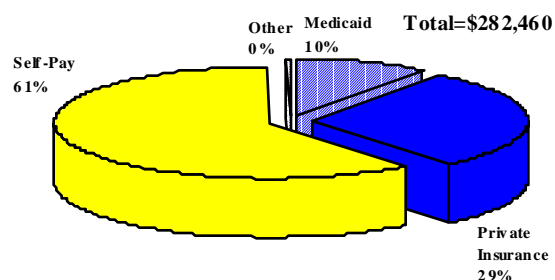


Data Source: Office of Research & Statistics

Cost of Asthma

- \$282,460 was charged in 2001 for hospital and ER visits in Aiken county for asthmatic children (<18 years).
- Medicaid covered nearly 10% of these charges.

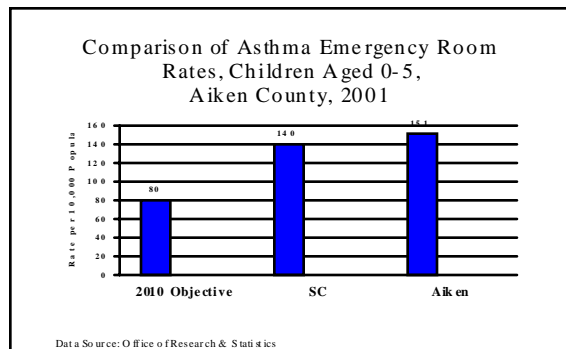
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Aiken County, 2001



Data Source: Office of Research & Statistics

Emergency Room

- 293 children under the age of 18 visited the ER due to asthma in Aiken county in 2001. This represents 58% of all ER visits due to asthma.
- \$170,640 was charged for ER visits in Aiken county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Aiken county had an ER rate of 151 per 10,000 children under the age of 5 in 2000, compared to South Carolina's 140 per 10,000 children.

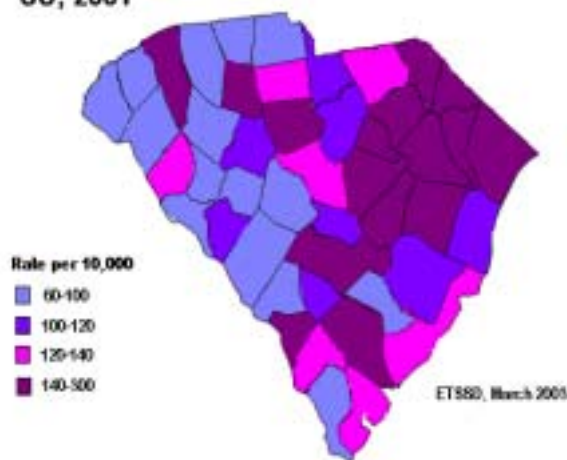


Disparities

- Non-white children under the age of 18 visit ER more frequently than white children in the same age group.
- White children and non-white children are hospitalized at approximately the same rate.

Hospital and Emergency Room Rates per 10,000 Children (< 18 years), 2001				
	Aiken County		South Carolina	
	White	Non-white	White	Non-white
Hospital	7.1	5.2	19.2	41.5
ER	39.5	145.9	46.0	155.5

Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



For more information on asthma contact:

SC DHEC Data Sources:

Behavior Risk Factor Surveillance System

Bureau of Epidemiology

(803) 545-4920

Vital Records

Division of Biostatistics

(803) 898-3649

Bureau of Air Quality

Outreach Section

(803) 898-4467

www.scdhec.net

Generated By:

Epi Technical Support and Services Division

Bureau of Epidemiology

Hospital discharges and ER visits, contact:

Office of Research and Statistics

SC Budget and Control Board

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